

WHAT IS CLAIMED IS:

1 1. A head support mechanism comprising:
2 a flexure supporting a head slider;
3 a load beam supporting said flexure and giving a load to said head slider; and
4 a mount supporting said load beam;
5 wherein a flying lead and a wiring pattern are provided at one end of the head
6 support mechanism;
7 wherein the flying lead is arranged to be parallel to a rotary shaft of a carriage;
8 and
9 wherein one side of each of resin layer portions covering both sides of the flying
10 lead is supported by a metal frame electrically insulated from said flying lead and, said wiring
11 pattern.

1 2. A head support mechanism comprising:
2 a flexure supporting a head slider;
3 a load beam supporting said flexure;
4 a hinge supporting said load beam and giving a load to said head slider; and
5 a mount supporting said hinge;
6 wherein a flying lead and a wiring pattern are provided at one end of the head
7 support mechanism;
8 wherein the flying lead is arranged to be parallel to a rotary shaft of a carriage;
9 and
10 wherein one side of each of resin layer portions covering both sides of the flying
11 lead is sported by a metal frame electrically insulated from said flying lead and said wiring
12 pattern.

1 3. The head support mechanism according to claim 1 or 2, wherein said
2 metal frame is made of stainless steel.

1 4. A magnetic disk device comprising:
2 a head support mechanism including:
3 a flexure supporting a head slider;

4 a load beam supporting said flexure and giving a load to said bead slider;
5 and
6 a mount supporting said load beam;
7 wherein a flying lead and a wiring pattern are provided at one end of the
8 head support mechanism;
9 wherein the flying lead is arranged to be parallel to a rotary shaft of a
10 carriage; and
11 wherein one side of each of resin layer portions covering both sides of the
12 flying lead is supported by a metal frame electrically insulated from said flying lead and
13 said wiring pattern; and
14 a carriage rotatably mounted on a pivot and provided with a coil at one end of the
15 carriage and a carriage arm, at the other end, which is mounted with said head support
16 mechanism by way of said mount;
17 a magnetic circuit for applying a magnetic field to said coil; and
18 a magnetic disk mounted on a rotary shaft.

1 5. A magnetic disk device comprising:
2 a head support mechanism including:
3 a flexure supporting a head slider;
4 a load beam supporting said flexure;
5 a hinge supporting said load beam and giving a load to said head slider;
6 and
7 a mount supporting said hinge;
8 wherein a flying lead and a wiring pattern are provided at one end of the
9 head support mechanism;
10 wherein the flying lead is arranged to be parallel to a rotary shaft of a
11 carriage; and
12 wherein one side of each of resin layer portions covering both sides of the
13 flying lead is supported by a metal frame electrically insulated from said flying lead and
14 said wiring pattern; and

15 a carriage rotatably mounted on a pivot and provided with a coil at one end of the
16 carriage and a carriage arm, at the other end, which is mounted with said head support
17 mechanism by way of said mount;
18 a magnetic circuit for applying a magnetic field to said coil; and
19 a magnetic disk mounted on a rotary shaft.